

Claims

1. (Amended) A service providing apparatus characterized by comprising:

an operation sensor that judges whether a user has operated an access point in an object of operation by the user;

an access sensor that judges whether the user is present in a near area where the user could be present when the user operates the access point; and

control means that controls an operation of the service providing apparatus, and in that

the control means includes:

ID authentication means that performs ID authentication for the user on the basis of results of the judgment of the access sensor and the operation sensor; and

external processing determining means that selects a service from a plurality of services corresponding to at least one of the result of the judgment of the operation sensor, the result of the judgment of the access sensor and a result of the ID authentication of the ID authentication means and causes an external apparatus to execute the service.

2. A service providing apparatus according to claim 1, characterized in that

the object of operation by the user is a door for entering the house,

the access point is a door knob of the door and,
on the other hand, the operation sensor detects an
operation of a key, which is used for unlocking the door,
unlocking the door.

3. A service providing apparatus according to claim 1,
characterized in that

the object of operation by the user is a door for entering
the house,

the access point is a door knob of the door and,
on the other hand, the operation sensor is a pressure
sensor that detects, when a key used for unlocking the door
is inserted into a keyhole of the door, a force generated in
a direction of the key from the keyhole.

4. A service providing apparatus according to claim 1,
characterized in that

the object of operation by the user is a door for entering
the house,

the access point is a door knob of the door and,
on the other hand, the operation sensor is a pressure
sensor that detects, when a key used for unlocking the door
is inserted into a keyhole and rotated, torque generated in
the key.

5. A service providing apparatus according to any one of claims 1 to 4, characterized in that

the object of operation by the user is a door for entering the house,

the access point is a door knob of the door and,

on the other hand, the operation sensor includes:

a coil provided in the door knob;

magnetic field generating means that generates an induction field with the coil; and

detecting means that detects a magnetic force change in the induction field generated by the magnetic field generating means.

6. A service providing apparatus according to any one of claims 1 to 5, characterized by comprising radio communication means that is capable of switching width of an area, in which communication is possible, by switching an output of a radio wave used for communication, and in that

the ID authentication means performs ID authentication for the user by judging whether ID information acquired from an ID authentication terminal carried by a user by performing narrow area radio communication using the ID authentication terminal and the radio communication means is included in permission ID information recorded in the service providing apparatus and, on the other hand, when it is impossible to acquire

proper ID information via the radio communication means, transmits information indicating that it is impossible to acquire proper ID information to the external apparatus by performing wide area radio communication using the radio communication means.

7. A service providing program, characterized by causing a computer to function as the control means in the service providing apparatus according to any one of claims 1 to 6.

8. A computer-readable recording medium, characterized by having recorded therein the service providing program according to claim 7.

9. (Amended) A service providing method, characterized by comprising:

 a first step of judging, with an operation sensor of a service providing apparatus, whether a user has operated an access point in an object of operation by the user;

 a second step of performing, with ID authentication means of the service providing apparatus, ID authentication for the user based on a result of the judgment of the operation sensor; and

 a third step of selecting, with external processing determining means of the service providing apparatus, a service

from a plurality of services corresponding to at least one of the result of the judgment of the operation sensor, the result of the judgment of the access sensor and a result of the ID authentication of the ID authentication means and causing, with the external processing determining means, an external apparatus to execute the service.

10. (Deleted)

11. (Deleted)

12. (Added) A security management apparatus characterized by comprising:

an operation sensor that judges whether a user has operated an access point in an object of operation by the user;

an access sensor that judges whether the user is present in a near area where the user could be present when the user operates the access point; and

control means that controls an operation of the security management apparatus, and in that

the control means includes:

ID authentication means that performs ID authentication for the user on the basis of results of the judgment of the access sensor and the operation sensor; and

external processing determining means that selects a

processing from a plurality of alarm processing corresponding to at least one of the result of the judgment of the operation sensor, the result of the judgment of the access sensor and a result of the ID authentication of the ID authentication means and causes an external apparatus to execute the alarm processing.

13. (Added) A security management method, characterized by comprising:

a first step of judging, with an operation sensor of a security management apparatus, whether a user has operated an access point in an object of operation by the user;

a second step of performing, with ID authentication means of the security management apparatus, ID authentication for the user based on a result of the judgment of the operation sensor; and

a third step of selecting, with external processing determining means of the security management apparatus, a processing from a plurality of alarm processing corresponding to at least one of the result of the judgment of the operation sensor, the result of the judgment of the access sensor and a result of the ID authentication of the ID authentication means and causing, with the external processing determining means, an external apparatus to execute the processing.